

ABSTRACT

Imaging systems and methods are described. In one aspect, an ink layer having an electrorheological fluid composition including a suspension of colorant particles dispersed in an electrically insulating carrier fluid is formed on a surface. A charge image is projected onto the ink layer to selectively form charge-stiffened regions adhering to the electrically insulating layer and representing respective regions of the projected charge image. Non-charge-stiffened ink layer components are physically separated from the charge-stiffened regions. Portions of the ink layer are electrostatically transferred to a receptor substrate.

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